



## Indiana CLEAN Community Challenge Annual Performance Report

State Form 53116 (8-07)

Indiana Department of Environmental Management  
CLEAN Community Challenge

Indiana Department of Environmental Management  
Office of Pollution Prevention and Technical Assistance  
100 North Senate Avenue IGCS W041  
Indianapolis, IN 46204-2251  
Telephone: (800) 988-7901  
FAX: (317) 233-5627  
[www.cleancommunities.IN.gov](http://www.cleancommunities.IN.gov)

The Indiana CLEAN Community Challenge Annual Performance Report should demonstrate progress toward objectives and targets AND certify CLEAN Community Challenge requirements continue to be achieved. The Annual Performance Report should include the status of projects committed to in your community's original application, results of completed projects, and assurance that an annual Quality of Life Plan review was conducted by your community. Indiana CLEAN Communities must submit an Annual Performance Report two months after the anniversary of their CLEAN Community designation date.

Please do not include any confidential community or business information in your Annual Performance Report. Public access laws require IDEM to make the Annual Performance Report publicly available, which may include posting all portions of your report on the Indiana CLEAN Community Challenge Web site.

Your Annual Performance Report should be reviewed and signed by a senior manager at your community prior to submittal. Once signed, fax or mail the report to IDEM. If you have any questions, please contact the CLEAN Community Challenge Program Manager at 800-988-7901.

### COMMUNITY INFORMATION

Name of Community

City of Indianapolis

Street Address (number and street)

200 East Washington Street, Suite 2460

City, State, ZIP Code

Indianapolis, Indiana 46204

Web site

<http://www.indygov.org/home.htm>

### CONTACT INFORMATION

Name of Contact

Richard Wise

Title

Administrator, DPW, Office of Environmental Services

Telephone number

317-327-2237

FAX number

317-327-2274

E-mail address

[rwise@indygov.org](mailto:rwise@indygov.org)

Mailing Address (number and street)

2700 South Belmont Avenue

City, State, Zip Code

Indianapolis, IN 46221

Reporting Period Dates (month, day, year)

October 31, 2007 thru November 1, 2008

If this is your third Annual Performance Report, do you wish to renew your Indiana CLEAN Community Challenge designation?

☐ Yes ☒ No

If yes, your community will need to provide five new objectives and targets in the Continual Environmental Improvement section of this report.

### ENVIRONMENTAL MEDIA ACTIVITIES

Please identify the five objectives and targets in your Quality of Life Plan and describe the progress made during the past year, the baseline measurement and current status of achievement, future plans for achieving each target, and any cost savings experienced as a result of the target.

Environmental Media Activity #1

Objective Decrease the number of air emissions from City packer trucks and non-road vehicles by retrofitting them with diesel oxidation catalysts (DOCs). Seek arrangements to retrofit as many of the City buses (public and school) as possible. Encourage area businesses to retrofit their diesel-powered vehicles

Target Reduce diesel particulate and carbon monoxide emissions by at least 30% and hydrocarbon emissions up to 50% per vehicle through diesel-powered vehicle retrofits

Progress made (and hurdles overcome) The Great Cities Grant funding the DOCs was successfully closed out in late 2008. See Final Report (attachment C)

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
# of DOC installations on municipal vehicles, use US EPA vehicle emissions modeling with diesel retrofit installed to determine % of emission reductions, # of local businesses introduced to fact sheets about the benefits of DOCs, idling reduction practices and sign postings	Installations completed - One hundred and eighty-five (185) municipally-owned deisel vehicles and non-road equipment were retrofitted, including 68 Indianapolis Department of Public Works pieces of equipment.  Other program accomplishments include:	This grant was closed out in late 2008. The City plans on improving upon these achieved target goals by applying for additional grant funds for additional DOC installations and continuing to communicate the implemented idle reduction and vehicle fuel use and conservation policies.	Significantly less CO and other hydrocarbon pollutants are being emitted as a direct result of the DOC installations. According to EPA emissions estimates, particulate matter will be reduced by 466 pounds, volatile organic compounds by 1,215 pounds, and carbon monoxide by over 4,400 pounds per vehicle per year. See page 2, 3 of

	<ul style="list-style-type: none"> <li>• Provided door decals to DOC program participants as a means of touting the accomplishment and promoting the clean air message to the community</li> <li>• Established the Central Indiana Clean Air Partnership (CICAP) under the Knozone program umbrella. CICAP is CMAQ and Transportation funding. Go to <a href="http://www.indycicap.org">http://www.indycicap.org</a></li> <li>• Developed fact sheets (attachment D1,2) on diesel retrofits, particulate matter, and the impact on health. Go to <a href="http://www.indycicap.org/3-fleet-initiatives.cfm">http://www.indycicap.org/3-fleet-initiatives.cfm</a></li> <li>• Developed fact sheets (attachment D3) on this diesel retrofit program initiative that encouraged other municipalities to do the same. Go to <a href="http://www.indycicap.org/3-fleet-initiatives.cfm">http://www.indycicap.org/3-fleet-initiatives.cfm</a></li> </ul>	Citizens should realize health benefits from cleaner air.	<p>(attachment A) Final Great Cities Partnership Technical Performance Report, City of Indianapolis, to US EPA.</p> <p>These emissions reductions are important as Indianapolis (Marion County) is designated as non-attainment for fine particulate matter and as maintenance for ozone. With continued improvements, we could reach attainment and improve economic opportunities for the City and Marion County.</p>
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

Environmental Media Activity #2			
Objective Decrease the amount of fuel used by City vehicles by making routed activities more efficient, and increase use of alternative and cleaner fuel in City fleet vehicles.			
Target Lower standard fuel consumption and increase the use of alternative fuels (E85 and biodiesel) in City vehicles			
<p>Progress made (and hurdles overcome) The City continues to promote its Vehicle and Equipment Idling Reduction Policy (attachment E1) and re-issued its Vehicle Usage and Fuel Conservation Policy (attachment E2) in 2008, to minimize fuel waste, conserve energy and equipment.</p> <p>The fluctuating price of fuel hampered real attainment of this goal in 2008; however, toward year end, the City was able to purchase 85 hybrid vehicles which are rated at 31mpg city / 34 mpg highway which should help considerably in 2009 as they replace less efficient vehicles. The City was also able to purchase some cleaner fuel (FFV) vehicles.</p>			
Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Total fuel purchased (2007-08 comparisons)	<p>The City purchased 85 hybrid vehicles, all to be delivered in 2009 and used by Department of Public Safety.</p> <p>Also, in cooperation with the MPO, INDOT and FHWA, the City applied for CMAQ funds to purchase 16 flex-fuel (FFV) passenger vehicles (8 in 2007, and 4 each in 2008, 2009), 15 flex-fuel trucks (5 in each year, 2007-09), and install a third ethanol (E85) fueling site at 21st &amp; Sherman Drive.</p> <p>The City purchased 8 (FFV) Chevy Uplander passenger vehicles (currently used by Customer Service) and 5 (FFV) Dodge Dakota trucks in 2007 (currently used by Street Maintenance) but was unable to purchase additional (FFV) passenger vehicles and trucks in 2008 due to matters beyond its control. The installation of a third E85 fueling site was completed at 21st &amp; Sherman Drive in 2008.</p> <p>The City promoted the established</p>	<p>The City is working with the MPO, INDOT and FHWA to resolve pending issues before making additional (FFV) purchases in 2009-10 with CMAQ funds.</p> <p>The City should realize a cost savings from reduced fuel costs and less wear and tear on publicly owned vehicles and equipment; citizens should realize health benefits from cleaner air.</p>	<p>Difficult to quantify in 2008 as a result of widely fluctuating fuel prices. Average price of blended fuel costs for 2008 ranged from a recent low of \$1.76 per gallon in November 2008 to a high of \$3.66 in both June and July 2008.</p> <p>2006 to 2007 measurements are not accurate measurements because the size of the fleet increased by approximately 1,000 vehicles because of government consolidations. 2007 to 2008 total fuel consumed presently indicates a small decrease in fuel consumed through November 2008 (attachment F).</p>

	of the City of Indianapolis' internal idle reduction policy (attachment E1), and re-issued a fact sheet on idle reduction and vehicle fuel use and conservation policy (attachment E2)		
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

Environmental Media Activity #3			
Objective Reduce energy consumption, costs, and emissions by replacing incandescent bulbs with LEDs in traffic signals			
Target Increase the use of LED lights in traffic signals from the current 50 intersections by 2007			
Progress made (and hurdles overcome) Significant progress made. Future LED installations will be contingent upon additional grants acquired as well as possible local funding allocations from the City budget.			
Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Record the number of intersections with LED light replacements	Using a \$500,000.00 grant from IPL, DPW operations replaced incandescent bulbs at 370 intersections with LEDs Specifically, under the IPL grant we've changed the following within this CLEAN reporting period: - Oct-Dec 2007: 2,325 bulbs @ 108 intersections - Jan-Mar 2008: 265 bulbs @ 19 intersections - April-June 2008: 4,077 bulbs @ 190 intersections - July-Sept 2008: 1,055 bulbs @ 53 intersections	LEDs changed out under the grant are part of a larger \$2.5 million effort to convert signals city-wide. Additional LED changes at other intersections are planned and will be reported as completed in future reporting periods.	LEDs use up to 90% less energy than those using incandescent lamps.
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

Environmental Media Activity #4			
Objective Monitor and maintain integrity of building - Snow Removal - Road Salt Storage			
Target The City will ensure there is zero runoff from the salt storage shed (s) during calendar year 2007, 2008			
Progress made (and hurdles overcome) See comments under current status.			
Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
Monitor the salt storage shed (s) areas before, during and after snow events to ensure proper storage and handling.	In an effort to streamline safety and containment measures to reduce runoff and remove environmental impacts, a total of 26,000 gallons of liquid calcium chloride from 16 liquid calcium chloride tanks have been removed from the following DPW facilities: M L King 2, Brookside 2, Southwest St 4, Five Points 2, S. Tibbs 2, Traders Point 2 and the old Luett dist 8 location 2.  All salt barns are monitored for storage capacity, spillage and containment, repairs and entry of rain or moisture by properly securing the entrance.	Salt barns will continue to be monitored before, during and after storm events for storage capacity, spillage and containment, repairs and entry of rain or moisture.	It's premature to determine cost savings the City may realize in its renewed efforts to conserve and manage salt storage. Comparison data to prior years snow activities will not be realized to reflect results on the City's more intense conservation and management efforts until the next reporting period.
If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.			

Environmental Media Activity #5			
Objective Increase the tonnage of recyclable materials collected			
Target Increase the tonnage of recyclable materials by 5-10 tons per quarter by January 2008			

Progress made (and hurdles overcome)

Baseline	Current Status	Upcoming Plans to Achieve Target	Cost Savings
data records of the amounts of residential recyclable materials collected (in tons) within the reporting period	<p>Current Status: Oct-Dec 2007 – 11,718 tons (includes 6,762 leaf tons collected during leaf season) Jan-Mar 2008 – 7,607 tons; Apr-Jun 2008 – 8,941 tons; Jul-Sep 2008 – 9,257 tons; Total tons recycled for the year – 37,523 Taking out the leaf tonnage (which offsets the 4th quarter stats) this goal was handily accomplished each quarter of the reporting period.</p> <p>Completed - posting of bilingual signs on the City's drop-off containers noting items acceptable for recycling by June 2007</p> <p>Completed - Expand paper recycling to other City offices by July 2007 – All City offices are now required to recycle paper, as well as plastics, per the City recycling policy.</p> <p>Completed - Continue the implementation of 96-gallon carts by deploying an additional 14,000, for a total of 50,000 carts. Over 56,800 carts have been deployed as of June 2007</p> <p>Ongoing - Re-evaluate the City's residential recycling program, both curbside and drop-off, and identify options for increasing diversion of residential waste, such as increasing the number of drop-off sites from the current 29 by incorporating additional sites at City parks – Done. There are now 32 drop-off sites, including 7 at City parks. Additionally, as of September 2008, there are now 9,036 curbside customers, which is up from 7,916 at the start of the reporting period. That reflects a 12% increase in customers.</p> <p>Completed - Create a free and/or low cost white-goods collection program similar to that of the Freon recovery program by 4th quarter 2007 – Done. White goods in DPW districts are separated out from the remainder of heavy trash and the white goods are then recycled.</p> <p>Ongoing - Increase the amount of used motor oils collected via the ToxDrop program and authorized motor oil recycling vendors by 10% - OES recorded 18.58 tons of used motor oil collected in 2007 (Attachment G1) and 18.29 tons collected through 10/31/08 (Attachment G2). All of the used motor oils was collected and recycled by the hhw contractor.</p> <p>Completed - Develop an educational program to promote recycling, making residents more aware by 2008 – To the best of my knowledge this is complete. The former recycling coordinator for the City had created a presentation for use in schools and other organizational meetings, as well as filmed a program for Channel 16</p>	<p>Target is completed and is ongoing as we continue to monitor and build on the successes of this reporting period</p>	<p>The real benefit is the diversion of recyclable materials from landfills and the protection of our environment and quality of life. The more recyclable waste we can divert from landfills, streams, water bodies and the environment, the closer we get to achieving our goal as a clean community.</p>

If this is your third annual performance report, please provide the final results of this activity. If the objective and target were not achieved in the three year designation period, provide a description of why the objective and target was not met.

## ANNUAL EMS AUDIT

Summarize the results of the Annual EMS Audit your community performed on the Quality of Life Plan.

The EMS audit reflect a need for a more intension oversight and monitoring of QOL plan activites and reporting. The QOL committee intends to establish a more formal quarterly meeting schedule in 2009.

## COMMUNITY AND BUSINESS OUTREACH

Briefly describe the information presented to the community and businesses to keep residents informed of important issues related to the community's environmental performance, including how the status of Quality of Life Plan objectives were relayed to the community.

Steve Hardiman to comment? The City implemented IndyStats in 2008 to communicate key tracking of performance indicators (measures) to the general public. The City continues to enhance its website to better communicate available City services to the public.

## CONTINUAL ENVIRONMENTAL IMPROVEMENT

If this is your third Annual Performance Report and your community desires to continue membership as an Indiana CLEAN Community, please provide five new objectives and targets your community will commit to during the next three year designation period, otherwise skip to the next section.

NA

## ADDITIONAL INFORMATION

Please provide the following additional information.

- List environmental awards received or voluntary programs participated in during the past twelve months (include information about each particular program).  
There are no environmental awards received by the City to date. The City participated in over twenty (20) community outreach events in 2008 (see attachment H). Some of the major ones were:
  - Earth Day Indiana, April, 2008 - Designed to increase awareness and appreciation of the Earth's environment, the city's Knozone Program, Clean Stream Team and Recycle Indianapolis facilitated activities to educate residents on things they can do to help improve central Indiana air land and water quality and how they can reduce household waste (HHW), e.Scrap (spent electronics) and other recyclable wastes by participating in the city's ToxDrop/eCycles and recycling program. In conjunction with Earth Day Indiana 2008, DPW also hosted its annual Tox-Away Day preventing thousands of pounds of household hazardous waste and e.Scrap waste from ending up in the city's landfill, sewers, drainage ditches and drinking water sources across central Indiana.
  - Miracle Mile Parade at Southern Plaza - August 2008 - In this grassroots event designed to spark community interest and renew economic redevelopment efforts along the Madison Avenue corridor, DPW facilitated its Air, Land, Water Pavilion designed to educate area residents of simple steps they can take to improve the environment through proper waste disposal and recycling practices and participating in clean air activities.
  - Two (2) Community Tox-Away events - October 2008 - 38<sup>th</sup> Street Corridor and Glendale North - The City collected over 34 tons of HHW waste (includes 2.43 tons of used motor oil) and over 44.45 tons of electronic waste materials from over 2,700 Marion county residents.
- Has your community taken advantage of any CLEAN benefits? If so, please describe which benefits were used, the implementation process, and ideas for additional benefits IDEM should consider.  
NA
- Is your community pursuing ISO 14001 EMS certification? If yes, how has the Indiana CLEAN Community Challenge program been instrumental in achieving ISO 14001 EMS certification?  
NA
- Explain the measured or perceived results from receiving, documenting, and responding to external communication and its effect on Quality of Life Plan objectives and targets?  
See #6.
- Explain the emergencies experienced within the community during the past year. Were the applicable emergency and contingency plans detailed in the Quality of Life Plan effective? What changes, if any, have been made to your community's emergency or contingency plans?  
In September 2008, the City experienced an inversion event which prohibited pollutants from mixing into the atmosphere causing a foul odor throughout the Downtown area. As this was a meteorological event, the situation was resolved through processes of nature. Steps were taken through local media outlets to alert the community and general public of the situation. (See attachment I).
- How have community residents and businesses reacted to your community participating in the Indiana CLEAN Community Challenge?  
The City hosted a press conference and released a media announcement at the time of receiving the award. (See attachment J.) However, not much has been done since then to promote the achievement.

In 2009, the City will make a greater effort to highlight its Clean Community Designation by displaying the Clean City Logo on the homepage of the City's website and on each of the City's environmental program websites. In addition, a link will be established from each logo directing web visitors to the City's SustainIndy website where specific information about the Clean City Designation and the City's efforts to maintain it will be detailed. The logo will also be prominently displayed on all environmental correspondence disseminated to the media and public.

- According to the measurement program developed and implemented by your community to measure Quality of Life Plan success, is your community's Quality of Life Plan successful? Why or why not? If not, what changes will be made to ensure continual environmental improvement and future Quality of Life Plan success?

I'd say our plan is more than reasonably successful, given our current achievements of goals 1, 2,3, and 5 and building on the progress of goal 4

and our plans for continued improvements, to be reported in the next reporting period.

#### CERTIFICATION AND PLEDGE

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this local government is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, the City of Indianapolis, IN, commit to maintaining the principles and goals outlined in our Quality of Life Plan for our local government's Indiana CLEAN Community status. We agree to strive for full compliance with all regulations promulgated by U.S. EPA, the state, and/or local jurisdictions. We agree to promote the Indiana CLEAN Community Challenge and to share our success stories with other communities. We understand that the Annual Performance Report must be submitted to the local government and IDEM and that we must reapply to the Indiana CLEAN Challenge every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the highest-ranking community official or I have been fully authorized by the highest-ranking community official to execute this statement on behalf of the local government submitting this Annual Performance Report.

Signature

  
David Sherman

Title

Director, Department of Public Works, City of  
Indianapolis, IN

Date (month, day, year)

1/15/09

Please submit your CLEAN Community Challenge Annual Performance Report to:

IDEM-OPPTA  
CLEAN Community Challenge Program Manager  
100 North Senate Avenue  
MC 64-00 IGCS W041  
Indianapolis, IN 46204-2251  
FAX: 317-233-5627